



National Transportation Safety Board Aviation Accident Final Report

Location:	RUBIDOUX, CA	Accident Number:	LAX87LA190
Date & Time:	04/26/1987, 1130 PDT	Registration:	N101DN
Aircraft:	HUGHES 269B	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	1 Minor

Flight Conducted Under: Part 91: General Aviation - Instructional

Analysis

A HUGHES 269B WENT OUT OF CONTROL AND COLLIDED WITH THE GROUND DURING A T/O TO A HOVER. THE PILOT HAD PURCHASED THE AIRCRAFT RECENTLY AND WAS LEARNING TO FLY IT. HE WAS SCHEDULED FOR HIS FIRST FLIGHT LESSON ON THE DAY OF THE ACCIDENT. THE CFI REPORTED THAT HE HAD TOLD THE STUDENT PILOT TO WAIT FOR HIM AND NOT TO TOUCH ANYTHING. WHILE WAITING FOR THE FLIGHT INSTRUCTOR, THE NON ROTORCRAFT RATED STUDENT PILOT STARTED THE AIRCRAFT, RAN IT UP TO FULL RPM, AND THEN BEGAN TO INCREASE THE COLLECTIVE PITCH CONTROL. THE HELICOPTER CLIMBED VERTICALLY TO A HIGH HOVER AND THE PILOT LOST CONTROL. THE PILOT STATED THAT HE HAD NOT RELEASED THE CYCLIC FRICTION BEFORE BECOMING AIRBORNE. THE PILOT INDICATED HE HAD ABOUT 500 HOURS OF FLIGHT TIME BUT DID NOT SPECIFY THE TYPE AND NO SUBSTANTIATION OF THE TIME COULD BE MADE.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT

Phase of Operation: TAKEOFF

Findings

1. (C) JUDGMENT - POOR - DUAL STUDENT
2. (C) INSTRUCTIONS, WRITTEN/VERBAL - DISREGARDED - DUAL STUDENT

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: DESCENT - UNCONTROLLED

Findings

3. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - DUAL STUDENT
4. (C) VERTICAL TAKEOFF - UNCONTROLLED - DUAL STUDENT

Factual Information

Pilot Information

Certificate:	Student	Age:	58, Male
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	07/23/1985
Occupational Pilot:	Last Flight Review or Equivalent:		
Flight Time:	500 hours (Total, all aircraft), 1 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	HUGHES	Registration:	N101DN
Model/Series:	269B 269B	Aircraft Category:	Helicopter
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	200451
Landing Gear Type:	Skid	Seats:	3
Date/Type of Last Inspection:	04/24/1987, Annual	Certified Max Gross Wt.:	1670 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	LYCOMING
ELT:		Engine Model/Series:	HIO-360-A1A
Registered Owner:	CLINE HOGG	Rated Power:	180 hp
Operator:	CLINE HOGG	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	RAL, 816 ft msl	Distance from Accident Site:	3 Nautical Miles
Observation Time:	1146 PDT	Direction from Accident Site:	200°
Lowest Cloud Condition:	Partial Obscuration / 0 ft agl	Visibility	3 Miles
Lowest Ceiling:	Broken / 10000 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	7 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	280°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	
Precipitation and Obscuration:			
Departure Point:	RUBIDOUX, CA (RIR)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	1200 PDT	Type of Airspace:	Class G

Airport Information

Airport:	FLA-BOB (RIR)	Runway Surface Type:	Asphalt
Airport Elevation:		Runway Surface Condition:	Dry
Runway Used:	0	IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Destroyed
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Minor	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	THOMAS H WILCOX	Report Date:	02/17/1989
Additional Participating Persons:	R. C MORTON; RIVERSIDE, CA		
Publish Date:			
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinquiry@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).